

PROSKURYAKOV, II. I.

Proskuryakov, N. I. "The value of ferments in the milling-bread-baking industry," In sy, posium: Biokhimiya kul't. rasteniy, Vol. VIII, Moscow-Leningrad, 1948, p. 653-85 - Bibliog: p. 683-85

SO: U-3264, 10 April 1953, (Latopis 'Zhurmal 'mykh Statey, No. 3, 1949)

THE RESIDENCE OF THE PROPERTY OF THE PARTY O

P

Problem pressings in \$\textit{\textit{B-emyless}}\$ preparations. N. 1.

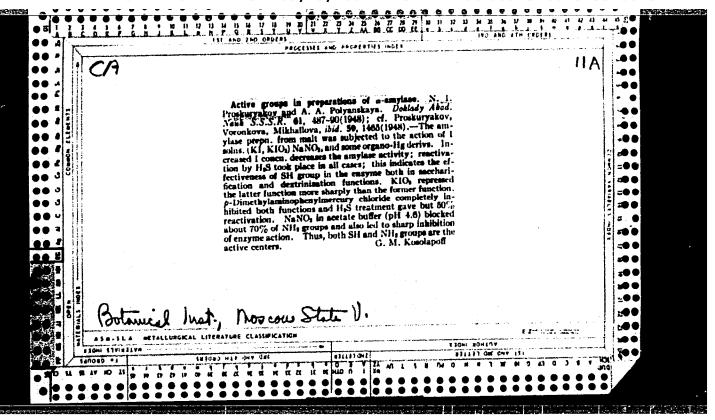
Problem prices, V. Yu. Vernekova, and R. S. Mikhiffova.

Problem of the S.S.S.R. \$9, 1415-7(1048); cf. C.-d.

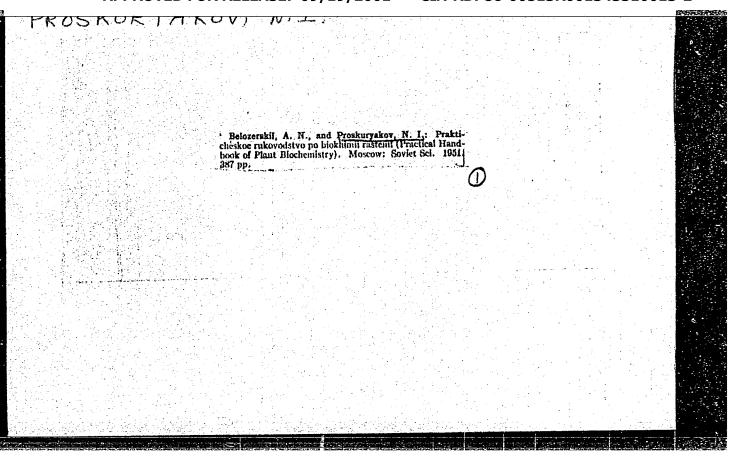
43, 2845.—The activity of \$\textit{\textit{B-emyless}}\$ is due to the presence of free SH groups in the mol., and enzyme inhibitors may act by interfering with the functions of those groups (by activity of \$\textit{\textit{B-emyless}}\$ or other means). Variations in activity of \$\textit{\textit{B-emyless}}\$ characteristic of their groups of the presence to a greater or leaser extent of these groupings, the presence to a greater or leaser extent of these groupings, and NaNOs thus: 10 ml. of a soin, contg. 10 mg. of the airm NaNOs thus: 10 ml. of a soin, contg. 10 mg. of the airm NaNOs thus: 10 ml. of a soin, contg. 10 mg. of the airm of the inhibitor soin. After 30-min. pringeration, free I is removed with 0.01 N NaSAO, and the cnayme is pptid, with (NHASSO. The centrilaged ppt. in 10 ml. water is with (NHASSO. The centrilaged ppt. in 10 ml. water is treated with 2% starch soin, and phosphate buffer to pH treated with 2% starch soin, and phosphate buffer to pH 5.66. After 30 min. at 40°, the matines is detd. The SH 5.66. After 30 min. at 40°, the matines is detd. The SH 5.66. After an air and phosphate buffer to pH before the property of the started with 1 monthly of the matines is detd. The SH 5.66. After 30 min. at 40°, the matines is detd. The SH 5.66. After an air and the control of the property of the property

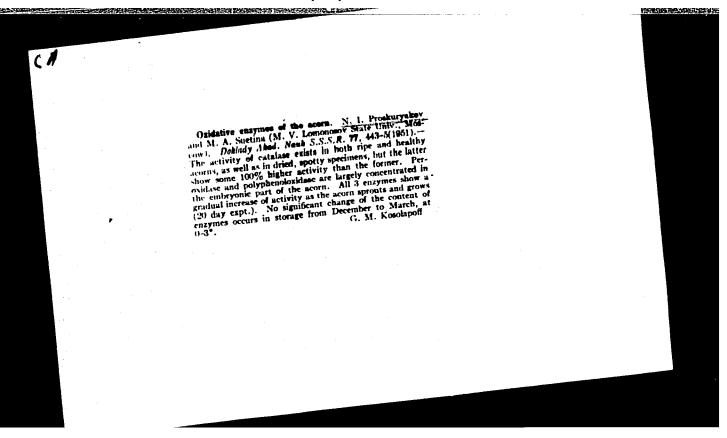
activity is paralleled by decrease in the percentage of free SH groups. However, whereas loss of activity due to oxidation of SH groups may be largely restored by treatment with HSS (presumably by reduction of salidale linkages), higher concus, of I result in a proportion of deactivation which is not reversible in a similar manner. This is due to direct introduction of I into the tyrosine units of the \( \theta-amylase. Loss of activity is also dependent on pH, being greatest under acid conditions. With holoacetate, the degree of deactivation is more dependent on the cunen, of inhibitor: thus with a 0.41 M concu. there is no deactivation, whereas with a 0.41 M concu. the activity is only 19.2% of the original. It can also be shown that deamination of the free NH groups with 1.2 M HNO, does not result in any substantial loss of activity after 24 hrs.

Moscow State U.



Unsuffeedicine—Analone, Thermo-phyllic  Anacrobes, Thermo-phyllic  "Some Properties and Active Groups in Preparations of Thermophy-lic Anacrobes of Alpha-Anylase,"  I. Proskuryakov, E. V. Dmitriyevskiya, inst of Bot, Noscow State U imeni M. V. Lomonosov, 32 pp.  "Dok Ak Mauk SSSR" Vol LAVII, No. 4.  "Dok Ak Mauk SSSR" Vol LAVII, No. 4.	culture of the themophyllic anaerobe, Clostridrium Factorium. Esterianum. Discusses relation of its activity to temperature, to concentration of organic mercury compound used as an inhibitor, and to time of a 3/50r68  1	3/200-06
89105/E <b>V</b> 4	r med de de minime de 🚾 elle de Francisco de março de la Robert Robert de La Robert (1967), la Robert Robert (1967), la Robert Robert (1967), la Robert Robert (1967), la Rob	PROSKURYKOV, N. I.





Prince Prince of grain. Reviewed by N. I. Proskuryakov. Biokhimita, 17, no. 4, 1952.

9. Monthly List of Russian Accessions, Library of Congress, November 1953, Uncl.

- 1. PROSKURYAKOV. N. I.; KHOLOPUVA, L. S.
- 2. USSR (600)
- 4. Ascorbic Acid
- 7. Interaction of ascorbic acid with plant amylases of various origins. Biokhimiia 17 no. 5 1952.

9. Monthly List of Russian Accessions. Library of Congress, February 1953. Unclassified.

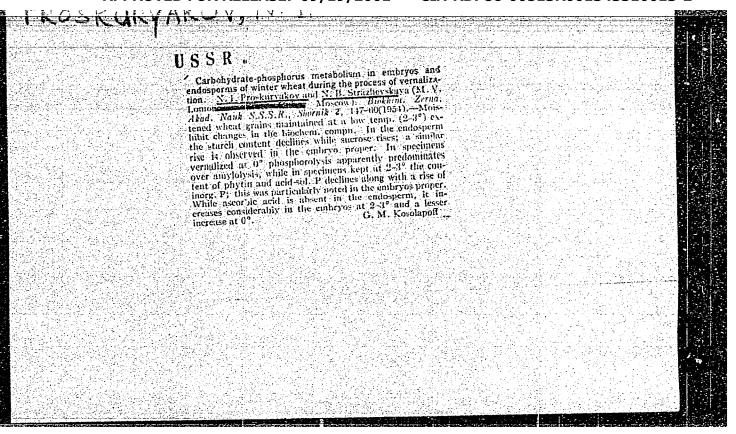
- 1. PROSKURYAKOV, N. I. and MOSOLOVA, I. M.
- 2. USSR(600)
- 4. Peas
- 7. Dynamics of glutathione during the germination of peas. Dokl.AN SSSR 87 no. 3, 1952.

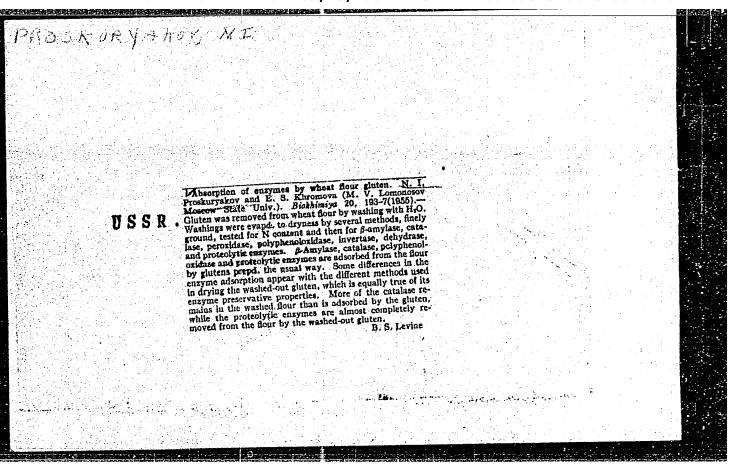
9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

PROSKURYAKOV, N.I.: VEYNOVA, M.K.

Relation of fermentability to oxidation-reduction of glutens. Doklady Akad. nauk SSSR 87 no. 6:1039-1042 21 Dec 1952. (CLML 23:5)

1. Presented by Academician A. I. Oparin 23 June 1952. 2. Moscow State University imeni M. V. Lomonosov.





ProskutyAKOV, N.I.

USSR/Biology - Biochemistry

Card 1/1

Pub. 22 - 36/54

Authors

Proskuryakov, N. I., and Nikiforovskaya, S. A.

Title

The activity of amylase on the ripening and sprouting processes of wheat abeea

Periodical

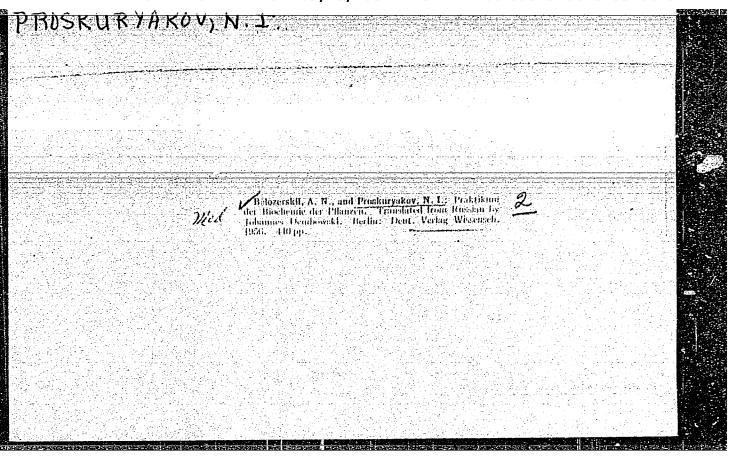
Dok. AN SSSR 102/5, 989-991, Jun 11, 1955

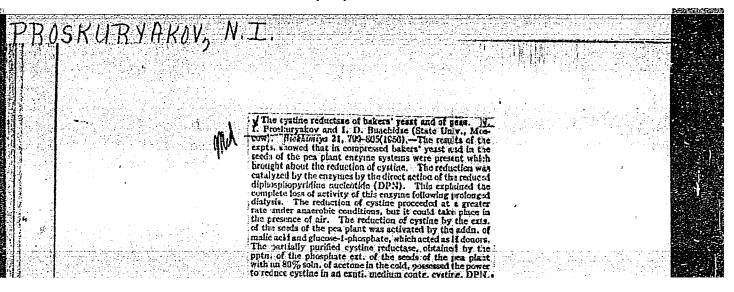
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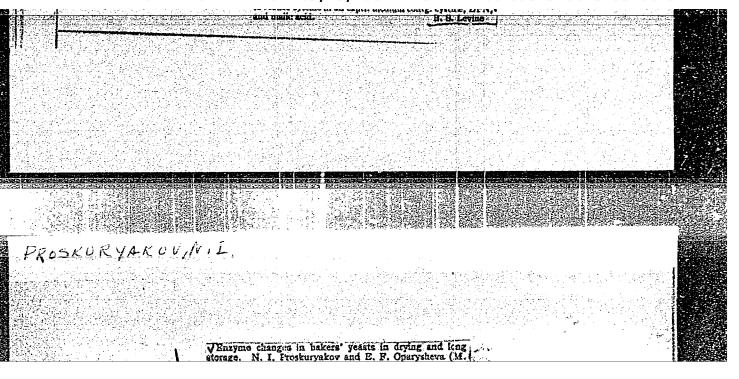
Experiments were conducted with purified alpha and beta amylases separated during the ripening and sprouting of wheat seeds for the purpose of establishing the connection between the activity of the amylases and their content of reactive groups (SH-groups). Results obtained are described. Eight references: 4 USSR, 2Swiss and 2 German (1926-1951). Tables.

Institution : The M. V. Lomonosov State University, Moscow

Presented by : Academician A. I. Oparin , March 1, 1955







PROSKURYAKOV, N.I., LARINA, M.A. AUTHOR:

20-4-42/61

The Influence of Restoring Agents on the Glutinant. (Deystviye vosstanavlivayushchikh agentov na kleykovinu, Russian)

Doklady Akademii Nauk SSSR, 1957, Vol 113, Nr 4, pp 869 - 872 PERIODICAL:

(U.S.S.R.)

ABSTRACT:

TITLE:

Numerous functional groups which form the particles of the albumin molecule are known to play an important part in the modifications of the structure of proteins. Frequently the activity of a great number of enzymes, which take part in the albumin-, fat-, and carbohydrate-transformation, is associated with the presence or lack of some groups. Among them sulphydryl and disulphide groups occupy a special position. In the living organism these groups can belong to easily soluble thiol compounds, e.g. to the reduced and oxidized glutathione, cystine and cysteine; they can also form parts of the molecules of different albumins, among them also enzymes. The relation of the groups

albumins, among them also enzymes. The least water can be of an APPROVED FOR RELEASE: 09/19/2001 ualicia. RDP86-00513R001343310013-2' essential importance of the least section o the sorts of flour obtained from them. By means of modern pola graphical methods it has become possible only recently to ascertain the content of SH-groups in the gluten and in water soluble proteins from 13 sorts of wheat. The modification capacity

Card 1/3

The Influence of Restoring Agents on the Glutinant. THE PARTY OF of the wheaten flour gluten under the influence of different 20-4-42/61 reducing substances was demonstrated by many scientists. Adding very small quantities of cysteine or glutathione is known to lead to a fast modification of the physical properties of the gluten. Proskuryakov and Veynova had ascertained that gluten which was treated with HoS, sodium hydrosulfide, ascorbic acid, and cysteine beforehand, was subjected to a more intense proteolysis after an external addition of papain than without such treatment in the control sample. These modifications of gluten, however, were computed indirectly. Therefore it was interesting to find out whether any noticeable modification in the SH-group content of the gluten proteins, which had been treated with reducing reagents before, take place. In the experiment the gluten of wheat was treated in an acetous solution or on the occasion of mixing doughs by introducing the reducing reagents and then the gluten was washed out. The solutions and balls of mixture were: kept for different periods either at 25° or at 0°. Gluten then was thoroughly cleaned, recoagulated and dissolved once more. The gluten was analyzed for different aspects, the SH-grou p was determined, hydrochloric cysteine was added to the mixture. From schedule 1 it becomes evident that the gluten preparations after cysteine treatment contained larger quantities of SH-groups than the control samples which were not treated. Moreover, gluten solutions were treated with SH, for a short period. Results

Card 2/3

APPROVED FOR RELEASE: 09/19/2001 CIA-RDP86-00513R001343310013-2"

The Influence of Restoring Agents on the Glutinant. XIII WALK showed that SH, is an effective reducer of gluten albumins, quantity of disclosed SH-groups obviously depending on the duration of treatment with SH, In further experiments the efficacy of the sodium hydrosulphide was tested. Together with the rising of its concentration its reducing properties increased considerably and by far exceeded; the influence of the two reducers mentioned before. Ascertaining the influence of the ascorbic acid in different concentrations was of special interest. Results show that ascorbic acid is a highly reducing agent for proteins, especially under anaerobic conditions. Thus, the modifications in the gluten proteins treated by several reducers are accompanied by an increase of the content of the sulphydryl groups in gluten preparations. This is the proof of the existence of a considerable quantity of reduceable disulphide compounds in the gluten. (1 schedule, 3 citations from Slav publications)

ASSOCIATION: Chair for Plant Biochemistry of thr National University "LOMONOSOV" PRESENTED BY: A.I. OPARIN, Member of the Academy.

SUBMITTED: 11.12.1956

AVAILABLE: Library of Congress

Card 3/3

PROSKURYAKOV, N.I.; LARINA, M.A.

Mechanism of the improving effect of potassium bromate in the baking of bread [with summary in English]. Biokhimiia 23 no.1:101-105 Ja-F '58. (MIRA 11:3)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(POTASSIUM BROMATE) (DOUGH)

(MIRA 12:5)

BISHA, T.: ZUYEVA, Ye.S.; PROSKURYAKOV, N.I. Cystine reductase of wheat embryos. Mauch.dokl.vys.shkoly;

biol.nauki no.1:153-156 159.

1. Rekomendovana kafedroy biokhimii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonsova. (CYSTINE REDUCTASE) (WHRAT)

PROSKURYAKOV, N.I.; PETROCHENKO, Te.I.

Oxidation of ascorbic acid by various processed grain perducts.
Isv.vys.ucheb.zav.; pishch.tekh. no.5:38-41 '59. (MIRA 13:4)

1. Moskovskiy gosudarstvennyy universitet, kafedra biokhimii rasteniy.

(Gereal products) (Ascorbic acid)

```
PROSKUEYAKOV. N. I.; AUERMAN, T. I.

Oxidation of ascorbic acid by oxidase systems of wheat flour. Biokhimiia 24 no.2:317-322 Mr-Ap '59 (MIRA 12:7)

1. The Faculty of Biology and Soil Science, the State University, Moscow. (VITAMIN C, oxidation by oxidase in wheat flour (Rus))

(OX IDASES. in wheat flour, oxidation of vitamin G (Rus))

(FLOUR, oxidation of vitamin C by oxidase in wheat flour (Rus))
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PROSKURYAKOV, N.I.; MUZHDINA, T.N.

Proteins of wheat germ and their enzymatic activity. Mauch.dokl. vys.shkoly; biol.nauki no.2:148-152 60. (MIRA 13:4)

1. Rekomendovana kafedroy biokhimii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova. (WHEAT GERM) (INZYMES)

ZUYEVA, Ye.S.; PROSKURYAKOV, N.I.

Glutathions reductase system of pea seeds at various ripening stages. Biokhim. zer. i khlebopech. no.7:83-92 '64.

Glutathione reductase system of pea seeds at various germination stages in the darkness and in the light. Biokhim. zer. i khlebopech. no.7:93-100 '64. (MIRA 17:9)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

ASRIYAN, I.S., MUYEVA, Ye.S., PROSKHEYAKOV, N.I. [deceased]

Fnzymatic reduction of disulfide bonds in low molecule and protein substances during germination and maturation of wheat seeds. Prikl. biokhim. 1 mikrobiol. 1 no.5:500-504 S-0 '65.

1. Biologo-pochvennyy řakulitet Moskovskogo gosudarstvennogo universiteta imeni M.V. Lomonosova.

PROSKURYAKOV, N.I.; ZUYEVA, Ye.S.

Enzymatic reduction of disulfide bonds in proteins and low-molecular substances of wheat flour. Dokl. AN SSSR 158 no.1: 232-234 S-0 64 (MIRA 17:8)

1. Moskovskiy gosudarstvennyy universitet. Predstavleno akademikom A.I. Oparinym.

PROSKURYAKOV, N.I.: LOSEVA, L.P.

Lycolytic enzymes of wheat germ and their fractionation. Nauch. dokl. vys. shkoly; biol. nauki no.3:157-162 '63. (MIRA 16:9)

1. Rekomendovana kafedroy biokhimii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(Wheat germ) (Enzymes)

PROSKURYAKOV. N.I.; LYUBIMOVA, Ye.V.

Interaction of disulfides and thiols with the protein complex of wheat flour. Izv. vys. ucheb. sav.; pishch. tekh. no.2:36-39 '63.

1. Moskovskiy gosudarstvenny universitet imeni Lomonosova, kafedra biokhimii rasteniy.

(Wheat-Analysis and chemistry) (Sulfides) (Proteins)

PROSKURYAKOV, N.I.; BABINTSEVA, M.B.

Enzyme synthesis and its inhibition by antibiotics in cotyledons of germinating peas. Dokl. AN SSSR 146 no.2:464-466 S !62.

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom A.I. Oparinym.

(ENZYMES) (GERMINATION)

AKOV, N.I.	** * * * * * * * * * * * * * * * * * * *			
"wheat gluten Biokhimiia 27	" by A.V.Vakar. no.3:569-570 My (GLUTEN)	Reviewed by N.I.F -Je '62. (VAKAR,A.V.)	Proskuriakov. (MIRA 15:8)	
				-

PROSKURYAKOV, N.I.; MEN'SHIKH, L.K.

Extracellular glutathione reductase of Escherichia coli.
Mikrobiologiia 31 no.1:5-9 Ja-F '62. (MIRA 15:3)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta imeni Lomonosova.

(ESCHERICHIA COLI)
(GLUTATHIONE REDUCTASE)

AGATOVA, A.I.; PROSKURYAKOV, N.I.

Sulfhydryl groups and disulfide bonds in wheat flour proteins. Biokhimiia 27 no.1:88-93 Ja-F \*62. (MIFA 15:5)

1. Faculty of Biology and Soil Sciences, State University, Moscow.
(FLOUR) (MERCAPTO GROUP) (CHEMICAL BONDS)
(PROTEINS)

PROSKURYAKOV, N. I.; TOVAROVA, I.I.

Characteristics of proteolysis in germinating seeds of leguminous plants. Nauch. dokl. vys. shkoly; biol. nauki no.3:155-158 '61.

1. Rekomendovana kafedroy biokhimii rasteniy Moskovskogo gosudarstvennogo universiteta im. M.V.Lomonosova.

(LEGUMES) (GERMINATION) (PROTEINS)

PROSKURYAKOV, N.I.; RODIONOVA, I.V.

Enzyme activity of water soluble proteins of the wheat germ. Biokhim. zerma no.5:108-120 \*60. (MIRA 14:5)

(II)

1. Biologo-pochvennyy fakulitet Moskovskogo Gosudarstvennogo universiteta.

(Enzymes) (Proteins) (Wheat germ)

ZUYEVA, Ye.S.; IVANOVA, V.P.; PROSKURYAKOV, N.I.

Glutathione reductase in pea seeds. Biokhim.zerna no.5:248-255 160. (MIRA 14:5)

1. Biologo-pochvennyy fakulitet Moskovskogo gosudarstvennogo universiteta.
(Glutathione reductase) (Peas)

ZUYEVA, Ye.S.; MARKOSYAN, L.S.; PROSKURYAKOV, N.I.

Chromatography of proteins on a calcium phosphate gel. Biokhimiia 26 no.2:209-211 Mr-Ap '61. (MIRA 14:5)

1. Chair of Plant Biochemistry, State University, and Institute of Biochemistry, Academy of Sciences of the U.S.S.R., Moscow.
(PROTEINS) (CHROMATOGRAPHIC ANALYSIS)

PROSKURYAKOV, N. I., AUERWAN, T. L., and ZACLODINA, F. I. (USSR)

"The Nature of the Action of Ascorbic Acid as an Effective Improver in Bread Baking."

Report presented at the 5th International Biochemistry Congress, Moscow, 10-16 Aug 1961

ZUYEVA, Ye.S.; PROSKURYAKOV, N.I.

Glutathione reductase and cystine reductase in germinating and ripening pea seeds. Biokhimiia 25 no.5:897-900 S-0 '60. (MIRA 14:1)

1. Faculty of Biology and Soil Science, State University, Moscow.
(SEEDS) . (GLUTATHIONE REDUCTASE)
(CYSTINE REDUCTASE)

AUTHOR:

Proskuryakov. N.K.. Engineer.

sov/97-4-1/11

TITLE:

Further Progress in the Manufacture of Precast Reinforced Concrete. (Obespechit' dal'neyshiy tekhnicheskiy progress v proizvodstve sbornogo zhelezobetona).

PERIODICAL: Beton i Zhelezobeton. 1958 Nr. 4. pp. 121-125 (USSR).

ABSTRACT:

An all-Soviet Congress on building called by the TsK
KPSS and Soviet of Ministers of U.S.S.R. summarized the
activities of the building industry since the previous
congress and the author is evaluating the main issues
discussed. The total output of precast reinforced concrete factories has risen four times and reached 16 million m3
towards the end of 1957. Table 1 gives the output of the
precast reinforced concrete industry. N. Ya Kozlov's
continuous method of the manufacture of large reinforced
concrete products is an improvement from an economical
point of view. In 1957 the catalogue of standard precast
reinforced concrete products (II 03-02) was published
which is a handbook for factories producing building
units for blocks of flats and residential buildings.
According to the Tsk KPSS Soviet of Ministers of U.S.S.R.
the total output of these factories in the period 1955/57
was 13.5 million m of building products. In the same

Cord 1/2

sov/97-4-1/11

Further Progress in the Manufacture of Precast Reinforced Concrete.

period 286 factories have been provided with equipment for precast reinforced concrete and aerated concrete products. The output of these factories is 9.620.000m<sup>3</sup>. Table 2 gives values obtained from VNIIZhelezobeton on the average output per m<sup>3</sup> of curing chamber per year. Table 3 gives values of one production plant manufacturing multi hollow floor slabs. In 1957 the output of many factories of precast concrete reached 600 to 800 varieties of products per year. Table 4 gives quantities of precast reinforced concrete as a proportion of the building work costing one million ruhles for 1950/1955 and the proportion envisaged for 1960/65.

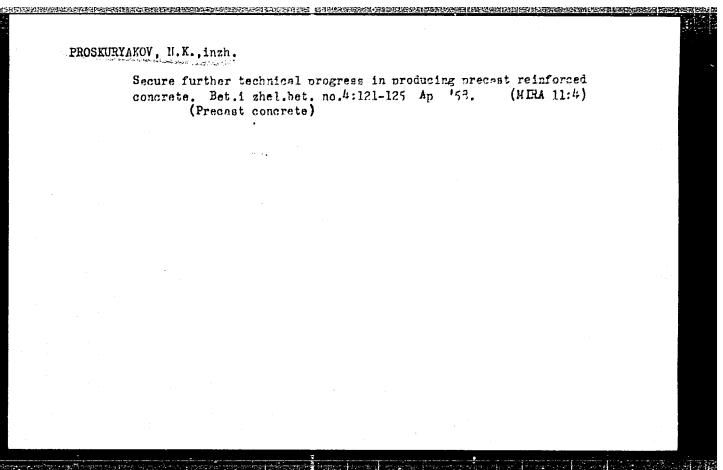
There are 4 tables.

1. Reinforced concrete--Production

Card 2/2

The second

# PROSKURYAKOV, N.K. A creative failure in large-panel housing construction. Bet. 1 shel.-bet. 8 no.2:51-52 F '62. (MIRA 16:5) (Moscow—Apartment houses) (Precast concrete construction)



### PROSKURYAKOV, N.K.

TO SHARE WHEN THE PARTY OF THE

Developments in the manufacture of large wall blocks made of light weight concretes for housing, school, and hospital construction Shor. mat. o nov. tekh. v stroi. 17 no.4:1-5 155. (MIRA 8:6) (Building blocks) (Lightweight concrete)

AUTHOR:

PROSKURYAKOV, N.K., Engineer

97 - 1 - 1/10

TITLE:

Problems in the Production and Use of Assembled Reinforced Concrete (Ocheradnye zadachi proizvodstva i primeneniya sbornogo zhelezobetona)

PERIODICAL:

Beton I Zhelezobeton, 1957, No. 1., pp. 1 - 4 (U.S.S.R.)

ABSTRACT:

1956 showed a further development in the mass production of reinforced concrete for building purposes as demonstrated by the following statictics: production output in 1955 was approximately 5 mil.m., in 1956 it was 9 mil.m.. The estimated capacity on January 1, 1957 was increased to 12 1/2 mil.m.. Planning organisations based new types of assembled reinforced concrete on the revised and improved standards. The nomenclature for reinforced concrete and prestressed concrete was brought up-to-date. Savings in steel and timber are shown (a single storey industrial building erected according to TOC-CIPON CCCP was built with 30 - 35% less materials than buildings erected according to the old method.) Architectural competition for improved planning of housing and public buildings resulted in a reduction of 10 - 20% of dead weight in buildings, 10 - 15% saving in timber, and up to 40% saving in steel. Precast reinforced concrete constructions manufactured at present in factories mainly catering to the Urals, West and East Siboria, Central Asia and Kazakhstan

Card 1/3

TITLE:

Problems in the Production and Use of Assembled Reinforced Concrete (Ocheradnye zadachi proizvodstva i primeneniya sbornogo zhelezobetona)

should increase their output to a greater extent to fulfill the proposed plan. In Moscow, for instance, the Mathoca point works increased their output up to 63% in 1956 (compared to a 43% output in 1953.) Labor output increased 100%. Prices for reinforced concrete dropped 25% in 1956. This was due to improved mechanization, further specialisation and more effective production methods. To fulfil the 1960 plan the annual increase in output should amount to 3 1/2 mil. m<sup>3</sup>. New factories with a total capacity of 21 mil. m<sup>3</sup> must be built. Planning centers, according to this year's program, should complete 2.200 standard projects. The author stresses the fact that the quality of products manufactured in the USSR is lower than that of products manufactured in the West. In 1956 approx. 50% of the total output of reinforced concrete products (i.e. 4 1/2 mil. m<sup>3</sup>) was used for housing purposes. The necessity of mass produced lightweight reinforced

Card 2/3

97 - 1 - 2/10

concrete and the application of assembly methods is stressed. It is estimated that structural units will weigh 17% less, and foundation units up to 50% less.

ASSOCIATION: ---

PRINTED BY: ---

SUBSCITED: ---

AVAILABLE: Library of Congress

Card 3/3

### CIA-RDP86-00513R001343310013-2 "APPROVED FOR RELEASE: 09/19/2001

PROS KURYAKOV, N.K.

SOV/97-59-1-16/18

AUTHOR: None given

Information from the Commission on Prestressed and Precast TITLE:

Reinforced Concrete Constructions (V Komissii po

predvaritel'no napryazhennym i sbornym zhelezobetonnym

konstruktsiyam)

PERIODICAL: Beton i Zhelezobeton, 1959, Nr 1, p 44 (USSR)

ABSTRACT: In December 1958 a session of the Commission on Prestressed and Precast Reinforced Concrete Construction was held in This Commission was appointed by the Academy of Building and Architecture of USSR (Akademiya stroitel'stva i arkhitektury SSSR). The following papers were read: Programmes and Planning for 1959/1965 - N.K. Proskuryakov, Director of the Department of Concrete and Reinforced Concrete Constructions of Gosstroy of USSR; Report on the Commission's Activities in 1958 and Plans for 1959 - V.V. Mikhaylov and A.A. Gvozdev, Members of

ASIA SSSR;

Reports on the Third International Congress on Prestressed Precast Reinforced Concrete - S.S. Davydov, Vice-President

Card 1/2 of ASIA SSSR; V.V. Mikhaylov, Member ASIA SSSR;

SOV/97-59-1-16/18 Information from the Commission on Prestressed and Precast Reinforced Concrete Constructions

A.P. Vasil yev and R.G. Shishkin, Candidates of Technical Sciences - on methods of designing and casting pretensioned reinforced concrete constructions.

Card 2/2

### PROSKURYAKOV, N.K.

Development in the production of large blocks for wall construction made of light concretes. Gor.khos.Mosk. 29 no.1:4-7 J 155.

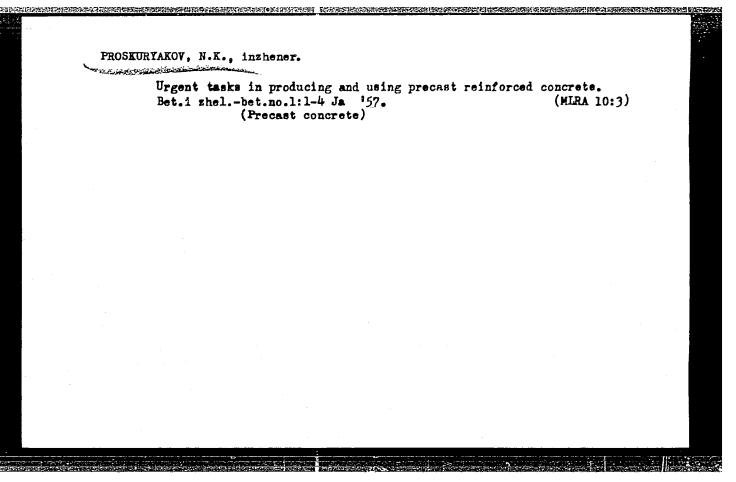
(MLRA 8:3)

l. Nachal'nik Upravleniya promyshlennosti stroitel'nykh detaley Mosgorispolkoma.
(Building blocks)

MIKHAYLOV, V.V.; PEREL'SHTEYN, N.L.; PROSKURYAKOV, N.K.; UDOD, V.Ya., redaktor izdatel'stva; GUSEVA, S.S., tekhnicheskiy redaktor

[Prestressed reinforced concrete in foreign countries; based on the Second International Congress in Amsterdam] Napriazhenno armirovannyi zhelezobeton za rubezhom; po materialam vtorogo Mezhdunarodnogo kongressa v Amsterdame. Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekture, 1956. 61 p. (MIRA 9:8)

1. Moscow. TSentral'nyy institut informatsii po stroitel'stvu. (Amsterdam--Prestressed concrete--Congresses)



1 004/ //	EWT(1)/EWP(e)/EWT(m)/T/EWP(t)/EWP(b)/EWA(c) IJP(c) JD/JG/CG/WH	
ACC NR:	NP5022740 SOURCE CODE: UR/0181/65/007/009/2853/2856	]
	44,55 44,55 44,55	
Pisarev.	Revev. A. N.; Venetskaya, M. M.; Zablotskiy, G. A.; Myl'nikova, I. Ye.; R. V.; Proskuryakov, O. B.	•
	titute of Semiconductors AN SSSR, Leningrad (Institut poluprovodnikov 83	
TITLE: I	evestigation of ferrite-garnet single crystals with vanadium	
SOURCE:	Fizika tverdogo tela, v. 7, no. 9, 1965, 2853-2856	
TOPIC TAG	s: single crystal, vanadium, garnet, ferrite, absorption spectrum	5-
ABSTRACT:	Some data are given from preliminary studies on single crystals of garnets	
America 1	ain vanadium ions. Specimens of {Bi <sub>3_2x</sub> Ca <sub>2x</sub> } [Fe <sub>2</sub> ] (Fe <sub>3_x</sub> V <sub>x</sub> )0 <sub>12</sub> single were grown, using Bi <sub>2</sub> 0 <sub>3</sub> , Fe <sub>2</sub> 0 <sub>3</sub> , V <sub>2</sub> 0 <sub>5</sub> and CaCO <sub>3</sub> as initial components. The	
best cryst	cals were those with $x = 1.33$ and dimensions of 5-7 mm. Heasurements of	
magnetiza	ion from room temperature to the Curie point show that the composition of sized crystals corresponds to that of the initial charge. Curves are given	
for 2AH as	a function of temperature along crystallographic axes [111], [110] and	
[100] in p	plane (110) for a garnet crystal with $x=1.33$ . Spectral studies of thin pout 5 $\mu$ ) show an absorption maximum at about 0.87 $\mu$ and a second weaker	
Maximum a	about 0.69 µ, with transparency in the visible and infrared regions. The	
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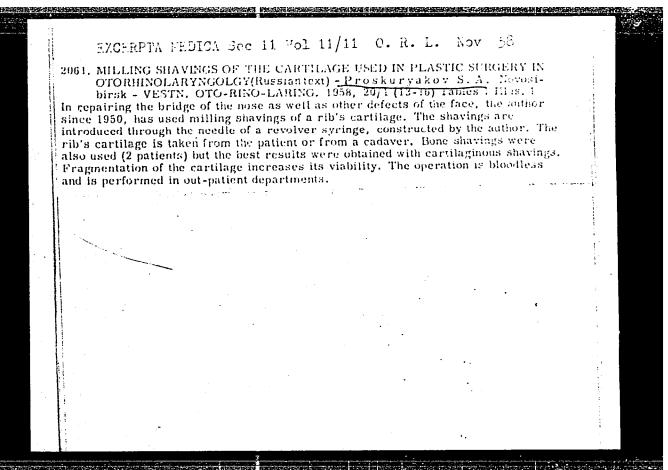
ACC NR: APS	1	G. A. Smo	olenski <b>v an</b> d	A. G. G	urevich	for di	ecting th	o work.	•
Orig. art. h	as: 2 figu	res, 1 tab	117, 25		41, 5		•		
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AGEYEV, A.N.; VENETSKAYA, M.M.; ZABLOTSKIY, G.A.; MYL'NIKOVA, I.Ye.; PISAREV, R.V.; PROSKURYAKOV, O.B.

Study of single crystals of ferrites-garnets with vanadium. Fiz. tver. tela 7 no.9:2853-2856 S \*65.

(MIRA 18:10)

1. Institut poluprovodnikov AN SSSR, Leningrad.



LUKOV, B.N., prof. (Kuybyshev); PETROV, V.I., dotsent (Moskva); PAVIENKO, T.M., aspirant (Moskva); YERMOLAYEV, V.G., prof. (Leningrad); ADO, A.D., prof.; VOVSI, M.S., prof.; YERMOLAYEV, V.G., prof. (Leningrad); KUPRIYANOVA, N.A. (Kazan'); FETROV, G.Í. (Moskva); DOLGOPOLOVA, A.V. (Moskva); SAKHAROV, P.P., prof.; BYKHOVSKIY, Z.Ye., prof.; MIN'KOVSKIY, prof. (Chelyabinsk); KHMEL CHONOK, I.P. (Irkutsk); TEMKIN, Ya.S., prof. (Moskva); MIN'KOVSKIY, A.Kh., prof. (Chelyabinsk); MIL'SHTEYN, T.N., doktor med.nauk (Leningrad); TRUTNEV, V.K., zasluzhennyy deyatel nauki, prof.; TSYRESHKIN, B.D., kand.med.nauk (Moskva); SOBOL', I.M., prof. (Stavropol'); TURIK, G.M. (Moskva); FRENKEL', M.M. (Moskva); MAZO, I.L.; POKRYVALOVA, K.P.; PROSKURYAKOV, S.A., prof.; ATKARSKAYA, A.A., prof.; GOL'DFARB, I.V., prof. (Izhevsk); PORUBINOVSKAYA, N.M. (Moskva); RUDNEV, G.P., prof.; VOL!FSON, I.Z., prof. (Stalingrad); DOROSHENKO, I.T., prof. (Kalinin); ROZENFEL'D, M.O., prof. (Leningrad); SHUL'GA, A.O., prof. (Orenburg); MIKHLIN, Ye.G., prof.; TRET YAKOVA, Z.V. (Moskva); MANUYLOV, Ye.N., prof. (Moskva); DOROSHENKO, I.T., prof. (Kalinin); YERMOLAYEVA, V.G., prof.

Speeches in the discussion. Trudy gos. nauch.-issl. inst. ukha, gorla i nosa no.11:79-87,129-146,179-186,233-248,311-333 '59. (MIRA 15:6)

1. Chlen-korrespondent AMN SSSR (for Ado). 2. Direktor Moskov-skogo gosudarstvennogo instituta ukha, gorla i nosa (for Trutnev).

(OTORHINOLARY COLOCY—CONGRESSES)

### PROSKURYAKOV, S. A.

Pistol type injector for introduction of tissue into the organism. Vest. otorinolar., Moskva 13 no.4:73-74 July-Aug 1951. (CIML 21:1)

1. Professor. 2. Of the Clinic for Diseases of the Ear, Throat, and Nose, Novosibirsk Medical Institute.

PROSKURYAKOV, S.A., prof.

Expediency of early surgery in recurrent anginas in the acute stage. Trudy Novembergos.med.inst. 27:370-379 '57. (MIRA 12:9)

(TONSILS--DISEASES)

PROSKURYAKOV , S.A., prof. (Novosibirsk)

Milling shavings of rib cartilage used as a support in plastic otorhinolaryngological surgery [with summary in English] Vest. otorin. 20 no.1:13-16 Ja-F '58. (MIRA 11:3)

1. Is kliniki bolezney ukha, gorla i nosa Novosibirskogo meditsinskogo instituta.

(FACIAL BONES, surg. plastic, use of rib cartilage shavings for support (Rus)

PROSKURYAKOV, Sergey Anatol'yevich; KAZNACHEYEV, V.P., doktor med. nauk, prof., otv. red.; VOLOSHIN, G.D., red.

[Experience in the work of restorative surgery on the face and otorhinolaryngeal organs] Opyt raboty po vosstanovitel'noi khirurgii litsa i lor-organov. Novosibirk, Zapadno-Sibirskoe knizhnoe izd-vo, 1965. 197 p.

(MIRA 18:4)

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	USSR/Medicine		Tissue Therapy	<b>y</b>	Jul /Aug 51	175
	"Revolver Syringe For Introducing Tissues Into o Organism," Prof S. A. Proskuryakov, Clinic of Edincat, and Nose Diseases, Novosibirsk Med Inst	Syringe For Prof S	For Introducing T A. Proskuryakov, iseases, Novosibi	cing Tissu yakov, Cl: vosibirsk	"Revolver Syringe For Introducing Tissues Into the Organism," Prof S. A. Proskuryakov, Clinic of Ear, Throat, and Nose Diseases, Novosibirsk Med Inst	
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	rapy.	Designed :	Designed revolver syringe in which pressure is exerted, so that dense	yringe in		
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PROSKURYAKOV, S.A., professor

\*Plastic surgery of defects of the face and neck using a Filatov

pedicle graft.\* F.M. Enitrov. Reviewed by S.A. Proskuriakov.

(FACE-SURGERY) (SKIN GRAFTING) (KHITROV, F.M.)

(MIRA 9:2)

# PROSKURYAKOV, S.I.

Results of the survey of the performance of the traction spiral gear drive of electric locomotives. Trudy TSNII MPS no.246:97-112 62. (MIRA 16:2) (Electric locomotives—Transmission devices)

PROSKURYAKOV, S.I., inzh.

Wear of the bevel gear teeth of electric locomotives. Vest. TSNII MPS 24 no.1:13-16 '65. (MIRA 18:6)

l. Ural'skoye otdeleniye Vsesoyuznogo nauchno-issledovatel'skogo instituta zhelezhodorozhnogo transporta Ministerstva putey soob-shcheniya, Sverdlovsk.

1. 23591-66 EWT(d)/FSS-2/EWF(1)/EWT(m)/EWF(w)/EEG(k)-2/EWP(v)/T-2/EWP(k)/EWA(h)/EMCC NRI AP6006601 ETG(m)-6 IJP(c) SOURCE CODE: UR/0317/65/000/008/0032/0	039	
AUTHOR: Proskuryakov, V. (Engineer, Lieutenant colonel, Candidate of technical sciences)		
ORG: none		
TITLE: Missiles used in aerial combat		
SOURCE: Tekhnika i vooruzheniye, no. 8, 1965, 32-39		
TOPIC TAGS: air to air missile, guided missile, air defense missile, an force tactic		٠.
ABSTRACT: The present article (based on information taken from the foreign press) discusses rockets and missiles, and guidance and fire control systems in popular temped with air to air missiles to description of the use of intercept aircraft equal photographs.	ms.	
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PROSEURYAKOV, V.; ERAVCHUK, I.

Observations of telescopic meteors made at Kiev Astronomical Observatory in 1940. Publ. Kiev.astron.obser. no. 3:77-83 '50. (Meteors)

(METEORS)

(MIRA 7:9)

Study of the high-molecular weight solds formed in the exhaulth of Gdovsk oil sheles. Them. prikl. Khim. 38 no.4:936-213 op --5. (Mink 18:6)

1. Loningradskiy tokumelogisheskiy institut isani tensoveta.

PROSKURYAKOV, V.A.; BROY-KARRE, G.V.

Oxidation of Kenderlyk shale with nitric acid. Trudy VNIIT no.12:5-10 '63. (MIRA 18:11)

L 11981-66 EWT(m)/T WE

ACC NR: AP6000685

SOURCE CODE: UR/0080/65/038/009/2078/2084

AUTHOR: Batalina, G. M.; Proskuryakov. V. A.

ORG: Leningrad Technological Institute imeni Lensovet (Leningradskiy tekhnologicheskiy institut)

TITLE: Investigation of the purification of petroleum products from sulfur

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 9, 1965, 2078-2084

TOPIC TAGS: petroleum, petroleum refining, petroleum product, oxidation, organic aulfur compound

ABSTRACT: The possibility of purifying directly distilled petroleum fractions of sulfur by oxidation with atmospheric oxygen in an alkaline medium under pressure was examined using Romashkin petroleum and an oxygen feed of 2 1/min kg. The effects of temperature, hydrocarbon: water ratio, alkali concentration, catalysts and reaction time on the oxidations were investigated. CuCl<sub>2</sub>, which forms the active Cu(OH)<sub>2</sub> in the alkaline medium, proved to be a very effective catalyst for the oxidation under pressure of mercaptans, disulfides, cyclic, polycyclic and aliphatic sulfur compounds. Thiophene was stable under these test

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PETEKHIN, V.M.; PROSKURYAKOV, V.A.

Oxidation of normal paraffinic hydrocarbons by atmospheric oxygen in an aqueous alkaline medium. Zhur.prikl.khim. 38 no.3:627-632 Mr \*65. (MIRA 18:11)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta. Submitted April 8, 1964.

PROSKURYAKOV, V.A.; SOLOVEYCHIK, Z.V.

Oxidation of the Gdov shale in a n-aqueous alkaline medium. Zhur.prikl.khim. 38 no.3:632-638 Mr 465.

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta. Submitted April 20, 1964.

BABEL , V.G.; PROSKURYAKOV, V.A.

Oxidation of "hydroxy acids" of the paraffin series by atmospheric oxygen. Zhur. prikl. khim. 38 no.5:1085-1090 My \*65.

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

BABEL!, V.G.; PROSKURYAKOV, V.A.; ITSKOVICH, V.A.

Oxidation of higher monocarboxylic acids by atmospheric oxygen.

Zhur. prikl. khim. 38 no.5:1178-1181 My 165.

(MIRA 18:11)

1. Leningradskiy tekhnologicheskiy institut imeni Lensoveta.

L 40170-66 EWT(1)/EWP(m)/EWT(m)/FCC/T WW/JW/JWD/GW

ACC NR: AP6020202

SOURCE CODE: UR/0056/66/050/006/1481/1490 9C

AUTHOR: Petrukhin, A. I.; Proskuryakov, V. A.

92

ORG: <u>Institute of the Physics of the Earth</u>, Academy of Sciences, SSSR (Institut fiziki zemli Akademii nauk SSSR)

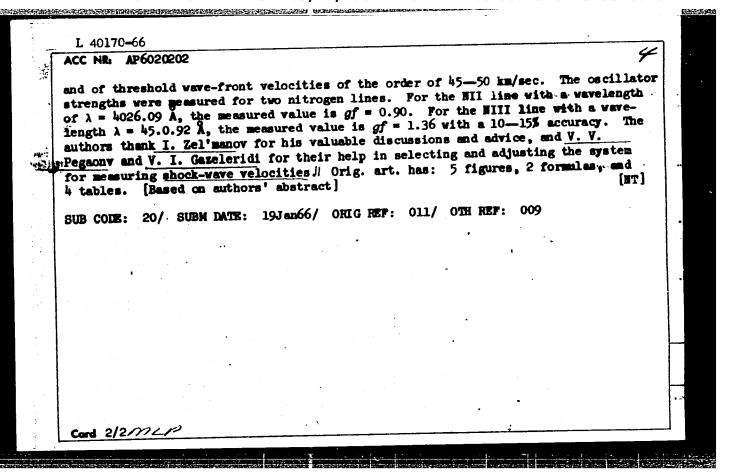
TITLE: Temperature and concentration of charged particles behind the front of a strong shock wave in the air

SOURCE: Zh eksper i teor fiz, v. 50, no. 6, 1966, 1481-1490

TOPIC TAGE: electron temperature, shock wave, spectral line, electric discharge, charged particle, atmospheric shock wave, shock wave front

ARSTRACT: The electron temperatures and concentrations of charged particles behind the front of a strong shock wave in the air have been measured. The shock wave was produced by an electric discharge in a tube at initial pressures of 0.1, 0.2, and 0.5 mm Hg. The temperatures were determined from the relative and absolute intensities of the spectral line. The charge particle concentrations were determined from the Stark expansion of the H line. The temperature and concentration values determined are in good agreement with the equilibrium values of the quantities calculated from the shock-wave velocity. The maximum values of the electron temperatures are  $(60-70) \times 10^3 K$  for charged-particle concentrations of the order of  $(6-7) \times 10^{16}$  cm<sup>-3</sup>

Cord 1/2



PROSKURYAKOV, V.A

65-10-2/13

Chistyakov, A.N., Korzhenevskaya, Ye.S. and Proskuryakov, V.A. AUTHORS:

On the Possibility of Separation of Resinous and Cutinised Components of Coals by the Flotation Method (O vozmozhnosti vydeleniya smolyanykh i kutinizirovannykh komponentov iz TITLE:

ugley metodom flotatsii)

PERIODICAL: Khimiya i Tekhnologiya Topliva i Masel, 1957, No. 10,

Separation of coals into micro-components by flotation was attempted. A coal corresponding in rank to gas coal ABSTRACT: (Table 1) was used for the experiments. The influence of particle size and nature of frothing and collecting agents were tested. The experimental results are given in Tables 2 -7. It was found that the best results of petrographic separation (production of concentrates containing up to 22% of resinous and cutinised substances from the starting sample containing 9% of these substances) were obtained under the following conditions: frothing agent - pine oil; collecting agent - kerosene; particle size - 74 \mu + 43 \mu; temperature of agent - kerosene; particle size - 76 \mu + 45 \mu; temperature of the pulp 20 °C and intensity of mixing 2 100 r.p.m. There are 7 tables.

Leningrad Technological Institute imeni Lensovet (Leningradskiy tekhnologicheskiy institut imeni Lensovet) ASSOCIATION: Card 1/2.

On the Possibility of Separation of Resinous and Cutinised Components of Coals by the Flotation Method

AVAILABLE:

Library of Congress

Card 2/2

S/672/62/000/011/001/011 D403/D307

AUTHORS: Proskuryakov, V. A., Yakovlev, V. I. and Kurdyukov, O. I.

TITLE: Oxidation of oil shales with aerial oxygen

SOURCE: Leningrad. Vsesoyuznyy nauchno-issledovatel'skiy institut

pererabotki i ispol'zovaniya topliva. Trudy, no. 11, 1962. Khimiya i tekhnologiya topliva i produktov yego

pererabotki, 20-27

TEXT: The oxidation of a shale ex the Obshchiy Syrt deposit (containing 4.8% moisture, 21.6% of incombustible material, at least 2.06%  $\rm CO_2$ , 8.4% of total S, 63.3% C, and 8.02% H) was studied in

an aqueous alkaline suspension, under a pressure of 50 atm, between 75 and 200°C. The oxidation proceeds rapidly: 83% of kerogen is oxidized at 75°C, and 100% at higher temperatures. The yields of: (1) CO<sub>2</sub> increase from ~33% at 75 to 94.8% at 200°C, (2) higher ac-

ids decrease from  $\sim 57\%$  at 75 to 4.2% at 200°C, (3) dibasic acid esters increase from 13% at 75 to 41.5% at 200°C, (4)  ${\rm H_2SO_4}$  increase

Card 1/2

Oxidation of oil...

S/672/62/000/011/001/011 D403/D307

from ~10% at 75 to ~30% at 200°C, (5) butanol increase from ~27% at 75°C to a maximum of ~30% at 110°C and fall to ~12% at 200°C, (6) volatile acids increase from ~3% at 75 to ~10% at 200°C; the above values are for every 100 g of kerogen oxidized. The sulfur originally present in the shale is thus practically fully oxidized to sulfate. Studies of the oxidation at 100°C and pressures of 50 and 30 atm showed that only 61% of the kerogen was oxidized at the lower pressure. Aerial oxidation may, however, be conducted, with greater efficiency, in a special tower, with continuous supply of air, at 175°C and 15 atm. Under these conditions more of the valuable products is obtained and the losses of kerogen carbon (as CO<sub>2</sub>) are decreased. There are 3 figures and 4 tables.

Card 2/2

ACC NR. AP6037064

SOURCE CODE: UR/0056/00/051/007/1340/2357

AUTHOR: Petrukhin, A. I.; Proskuryakov, V. A.

ORG: Institute of Physics of the Earth, Academy of Sciences SSSR (Institut fiziki Zemli Akademii nauk SSSR)

TITIE: Determination of the total absorption coefficients of air heated by strong shock waves

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 51, no. 5, 1966, 1348-1357

TOPIC TAGS: shock wave, plasma, shock wave plasma, plasma emissivity, plasma absorption, shock wave damping, shock wave energy loss, shock wave absorption

ABSTRACT: Experimental measurements were made of the dependence of the shock-wave front velocity in an electrodynamic tube on the distance from the discharge gap, and of the temperature and density distribution behind the front. The measurement data were used as the basis for determining the radiative capacity of the air heated by the wave front under conditions of the experiment. The arrangement for the measurement of shock-wave velocities was described previously by the authors (ZhETF, v. 48, 1965, p. 50, and v. 50, 1966, p. 1481). The results show that the portion of energy spent on the formation of the shock wave does not depend on the initial pressure in the tube. The formation of the shock wave extended from the

Card 1/3

# ACC NR. AP6037064

source up to a distance of 26 cm. Beyond that, the shock wave characteristics are similar to those of an equivalent plane explosion at Mach numbers below 20. At higher Mach numbers, the damping of the shock wave beyond the distance of 85 cm from the source is much faster than in the case with shock waves from an explosion. These results are similar to those reported by Guthart and Morita (J. Appl. Phys., v. 36, 1965, 2577). The temperature and density distribution behind the front were determined by a method described earlier (ZhETF, v. 50, 1966, 1481) for initial tube pressures of 0.1, 0.2, and 0.5 mm Hg. The ratios of the behind-the-front temperature and density to those on the front were plotted against time at 85 and 142 cm from the source. The time dependence of these ratios at the initial pressure of 0.1 mm Hg coincided at both distances from the source. The energy loss by the layer of heated gas at the front was calculated on the basis of a simplified formula deduced from the energy conservation law using the experimental data on temperature and density distribution by a simple extrapolation of the Kuznetsov tables of the intrinsic energy relations of air (Termodinamicheskiye funktsii i udarnyye adiabaty vozdukha pri vysokikh temperaturakh. Mashinostroyeniye, 1965). The method shows that radiative cooling and thermal conductivity are the main factors of energy losses from the behind-the-front plasma. The calculation shows that in the immediate proximity of the front, at a wave velocity of 50 km/sec and a temperature of 70,000 K, the losses through thermal conduction do not exceed 108 erg/cm3.sec, i.e., they are less than 0.01% of the total energy loss, the balance being ascribed to radiative cooling, which can be measured by the specific emissivity of the plasma or by the total absorption coefficient  $M = fp_B/4\sigma T^4$  (fp<sub>B</sub> - specific emissivity,  $\sigma$  - the

Card 2/3

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PROSKURYAKOV, V.A.; REMBASHEVSKIY, A.G.; SOLOVEYCHIK, Z.V.

Flotational enrichment of oil shale. Report No. 2. Shale of the Kashpir field. Trudy VNIIT no. 11:5-19 '62. (MTRA 17:5)

Presibility of separating resinous and cutinized components from coal by the flotation method. Khim. i tekh. topl. i masel no.10:
6-9 0 \*57.

1. Leningradskiy tekhnologicheskiy institut im. Lensoveta.

(Coal—Analysis) (Flotation)

PROSKURYAKOV, V.A., DRABKIN, A.Ye.; SOLOVEYCHIK, Z.V.

Production of white oils for oscillographs. Trudy LTI no.51:118121 '59. (MIRA 13:8)

(Mineral oils) (Oscillograph)

PROSKURYAKOV, V.A.; NOVO7HILOV, Ye.N.

Oxidation of Kenderlyk oil shale by atmospheric oxygen in an aqueous-alkali medium. Trudy VNIIT no.13:5-9 '64. (MIRA 18:2)

PROSKURYAKOV, V.A.; REMBASHEVSKIY, A.G.; SOLOVEYCHIK, 7.V. Flotation enrichment of Savel'yevka shales and technical features of concentrates of Volga shales. Trudy VNIIT no.13:10-21 '64.

(MIRA 18:2)

CIA-RDP86-00513R001343310013-2" APPROVED FOR RELEASE: 09/19/2001

PROSKURYAKOV, V. A.; REMBASHEVSKIY, A. G.; SOLOVEYCHIK, Z. V.

Flotation of ores of the Borislav deposit Report No.1. Trudy LTI no.51:122-134 59. (MIRA 13:8)
(Borislav--Ozocerite) (Flotation)

AVERBUKH, A.Ya.; PROSKURYAKOV, V.A.; BAL'YAN, Kh.V., nauchnyy red.; VOROB'YEV, G.S., red.izd-wa; GURDZHIYEVA, A.M., tekhn.red.

[Chemical products from oil shale]Khimicheskie produkty iz slantsa. Leningrad, Ob-vo po raspr. polit. i nauchn. znanii RSFSR, Leningr. otd-nie, 1961. 43 p. (MIRA 16:2) (Oil shales)

PROSKURYAKOV, V.A.; YAKOVLEV, V.I.; POTEKHIN, V.M.

Oxidizing oil shales with atmospheric oxygen. Trudy VNIIT no.12;11=15 \*63. (MIRA 18:11)

BELOKON', V. A.; PETRUKHIN, A. I.; PROSKURYAKOV, V. A. (Moscow)

"On the entry of a strong shock wave into a wedge-shaped cavity" report presented at the 2nd All-Union Congress on Theoretical and Applied Mechanics, Moscow, 29 Jan - 5 Feb 1964.